

Title (en)
A lighting device and corresponding method

Title (de)
Beleuchtungsanordnung und zugehöriges Verfahren

Title (fr)
Dispositif d'éclairage et procédé correspondant

Publication
EP 2892078 A1 20150708 (EN)

Application
EP 14198158 A 20141216

Priority
IT TO20131084 A 20131230

Abstract (en)
A lighting device comprises: - one or more light radiation sources (18), e.g. LEDs, - drive circuitry (20) for the light radiation source(s) (18), and - a holder (10) having a front surface with the light radiation source(s) (10) and the drive circuitry (20) mounted thereon. Said front surface has at least one relief portion (12a) and at least one recessed portion (12b). The light radiation source(s) are mounted on the relief portion (12a) and the drive circuitry (20) is mounted in the recessed portion(s) (12b), a masking material (24) being provided to cover said drive circuitry (20) in said at least one recessed portion (12b). A layer of transparent material (26) is arranged to cover the light radiation source(s) (18) and the masking material (24).

IPC 8 full level
H01L 25/16 (2006.01); **F21V 23/00** (2015.01); **H05K 1/18** (2006.01); **F21Y 101/02** (2006.01); **H01L 33/48** (2010.01)

CPC (source: EP)
F21S 4/22 (2016.01); **F21V 31/005** (2013.01); **F21V 31/04** (2013.01); **H01L 25/167** (2013.01); **H05K 1/183** (2013.01); **H01L 33/48** (2013.01); **H01L 2924/0002** (2013.01); **H05K 2201/09118** (2013.01); **H05K 2201/10106** (2013.01)

C-Set (source: EP)
H01L 2924/0002 + H01L 2924/00

Citation (search report)
• [X1] US 2011084612 A1 20110414 - RATCLIFFE WILLIAM R [US], et al
• [X1] DE 102012104494 A1 20131128 - EPCOS AG [DE]
• [1] JP 2009194026 A 20090827 - STANLEY ELECTRIC CO LTD
• [1] EP 2017892 A2 20090121 - NICHIA CORP [JP]
• [A] EP 2290690 A2 20110302 - LG INNOTEK CO LTD [KR]
• [A] DE 10308917 A1 20040916 - OSRAM OPTO SEMICONDUCTORS GMBH [DE]

Cited by
DE102016002910B4; EP3263983A1; EP3431862A1; DE102016002910A1; US10281090B2; EP3217091A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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